

ABSTRACT

A collapsible vehicle safety seat is essentially designed to restrain movement of the occupant especially at the time of frontal, rear-end and lateral collisions in high and low speed or when an impact becomes inevitable. The seat includes an actuator controlled and operated electronically or manually. The onset of the collision sequences the car crash sensor or collision avoidance devices including occupant voice activated actuator. The trigger release forces of a biasing member or equivalently devices electromagnetic or pyrotechnic to deploys instantly pivot frame incorporated with movable seat cushion, seat back and headrest. The alteration of the movable seat assembly from a normal stationary position creates a safety zone that allows occupants to lower their center of gravity to an optimum seating position.